SEQUENCE LISTING

<110> Joo Young Chung
      Sang Kyu Park
      Sang Myoung Ju
      Hyea Kyung Ahn
      Seung Wook Lim
      Woo Ik Chang
      Seung Kook Park
      Yeo Wook Koh
      Ji Soo Park

<120> A NOVEL HUMAN THROMBOPOIETIN MUTEIN

<130> G&C 118.7-US-WO

<140> To be assigned
<141> 1999-06-30

<150> KR 1998-25935
<151> 1998-06-30

<150> KR 1999-25143
<151> 1999-06-29

<150> PCT/KR99/00347
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<210> 2
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<213> Artificial Sequence

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<223> EcoRI-tagged primer corresponding to the C
      terminal sequence of hTPO protein

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<210> 3
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligodeoxynucleotide primer 29-N

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<223> Synthetic oligodeoxynucleotide primer 29-C

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<220>
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<400> 5
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<210> 7
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<220>
<223> primer 31-N

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<210> 8
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<212> DNA
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<400> 8
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<220>
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<210> 10
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<400> 10
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<210> 11
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<220>
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<220>
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<220>
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<210> 17
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<400> 18
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<223> primer 60-C

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<400> 26
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<223> synthetic oligodeoxynucleotide 1 of BamHI linker

<400> 27
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<210> 28
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<220>
<223> synthetic oligodeoxynucleotide 1 of BamHI linker

<400> 28
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<210> 29
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<213> Artificial Sequence

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<400> 29
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<210> 30
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<213> Homo sapiens

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Arg Asp Ser His Val Leu His Ser Arg Leu Ser Gln Cys Pro Glu Val
            20   25   30
His Pro Leu Pro Thr Pro Val Leu Leu Pro Ala Val Asp Phe Ser Leu
            35   40   45
Gly Glu Trp Lys Thr Gln Met Glu Glu Thr Lys Ala Gln Asp Ile Leu
    50   55   60
Gly Ala Val Thr Leu Leu Leu Glu Gly Val Met Ala Ala Arg Gly Gln
65   70   75   80
Leu Gly Pro Thr Cys Leu Ser Ser Leu Leu Gly Gln Leu Ser Gly Gln
                85   90   95
Val Arg Leu Leu Leu Gly Ala Leu Gln Ser Leu Leu Gly Thr Gln Leu
            100   105   110
Pro Pro Gln Gly Arg Thr Thr Ala His Lys Asp Pro Asn Ala Ile Phe
            115   120   125
Leu Ser Phe Gln His Leu Leu Arg Gly Lys Val Arg Phe Leu Met Leu
    130   135   140
Val Gly Gly Ser Thr Leu Cys Val Arg Arg Ala Pro Pro Thr Thr Ala
145   150   155   160
Val Pro Ser Arg Thr Ser Leu Val Leu Thr Leu Asn Glu Leu Pro Asn
                165   170   175
Arg Thr Ser Gly Leu Leu Glu Thr Asn Phe Thr Ala Ser Ala Arg Thr
            180   185   190
Thr Gly Ser Gly Leu Leu Lys Trp Gln Gln Gly Phe Arg Ala Lys Ile
            195   200   205
Pro Gly Leu Leu Asn Gln Thr Ser Arg Ser Leu Asp Gln Ile Pro Gly
    210   215   220
Tyr Leu Asn Arg Ile His Glu Leu Leu Asn Gly Thr Arg Gly Leu Phe
225   230   235   240
Pro Gly Pro Ser Arg Arg Thr Leu Gly Ala Pro Asp Ile Ser Ser Gly
                245   250   255
Thr Ser Asp Thr Gly Ser Leu Pro Pro Asn Leu Gln Pro Gly Tyr Ser
                260   265   270
Pro Ser Pro Thr His Pro Pro Thr Gly Gln Tyr Thr Leu Phe Pro Leu
            275   280   285
Pro Pro Thr Leu Pro Leu Pro Val Val Gln Leu His Pro Leu Leu Pro
    290   295   300
Asp Pro Ser Ala Pro Thr Pro Thr Pro Thr Ser Pro Leu Leu Asn Thr
305   310   315   320

8

Ser Tyr Thr His Ser Gln Asn Leu Ser Gln Glu Gly
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<210> 31
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<212> DNA
<213> Artificial Sequence

<220>
<223> cDNA sequence encoding hTPO mutein 40433

<400> 31
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ctgcctgctg tggactttag cttggggagaa tggaaaaccc agatggagga gaccaaggca   180
caggacattc tgggagcagt gacccttctg ctggagggag tgatggcagc acggggacaa   240
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ttgttggaga caaacttcac tgcctcagcc agaactactg gctctgggct tctgaagtgg   600
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cccctgcttc ctgacccttc tgctccaacg cccacccta ccagccctct tctaaacaca   960
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<210> 32
<211> 996
<212> DNA
<213> Artificial Sequence

<220>
<223> cDNA sequence encoding hTPO mutein 40434

<400> 32
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ctgcctgctg tggactttag cttggggagaa tggaaaaccc agatggagga gaccaaggca   180
caggacattc tgggagcagt gacccttctg ctggagggag tgatggcagc acggggacaa   240
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9

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ggacagtata cgctcttccc tcttccaccc accttgccca cccctgtggt ccagctccac      900
cccctgcttc ctgacccttc tgctccaacg cccacccta ccagccctct tctaaacaca      960
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<210> 33
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<213> Artificial Sequence

<220>
<223> cDNA sequence encoding hTPO mutein 40449

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ctgcctgctg tggactttag cttgggagaa tggaaaaccc agatggagga gaccaaggca      180
caggacattc tgggagcagt gacccttctg ctggagggag tgatggcagc acggggacaa      240
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<220>
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ctgcctgctg tggactttag cttgggagaa tggaaaaccc agatggagga gaccaaggca      180
caggacattc tgggagcagt gacccttctg ctggagggag tgatggcagc acggggacaa      240
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